

Scientists, Engineers, and Technicians in Trade and Regulated Industries: 1994

Detailed Statistical Tables

Division of Science Resources Studies
Directorate for Social, Behavioral and Economic Sciences



National Science Foundation

NSF 98-305

Scientists, Engineers, and Technicians in Trade and Regulated Industries: 1994

Detailed Statistical Tables

Richard E. Morrison, Project Officer

Division of Science Resources Studies
Directorate for Social, Behavioral and Economic Sciences



National Science Foundation

NSF 98-305

Suggested Citation

National Science Foundation, Division of Science Resources Studies, *Scientists, Engineers, and Technicians in Trade and Regulated Industries: 1994*, Detailed Statistical Tables, NSF 98-305, by Richard E. Morrison (Arlington, VA, 1998).

Availability of Publications

Single copies are available free of charge from the Division of Science Resources Studies, National Science Foundation, Arlington, VA 22230. SRS data are also available through the World Wide Web (<http://www.nsf.gov/sbe/srs/stats.htm>). If you are a user of electronic mail and have access to either Internet, you may order publications electronically. Send requests to pubs@nsf.gov. In your request, include the NSF publication number and title, number of copies, your name, and a complete mailing address. Printed publications may also be ordered by telephone 301-947-2722. Please allow 4 weeks for delivery.

Telephonic Device for the Deaf

(703) 306-0090

ACKNOWLEDGMENTS

The development of *Scientists, Engineers, and Technicians in Trade and Regulated Industries: 1994* was managed by Richard E. Morrison, Senior Economist, National Science Foundation, Division of Science Resources Studies (SRS), Human Resources Statistics Program (HRS), under the direction of Mary J. Golladay, Program Director, HRS, and Carlos E. Kruytbosch, Program Director of the former Science and Engineering Personnel Program. Overall direction and guidance were provided by Jeanne E. Griffith, Director, SRS. Anne M. Houghton, Julia H. Harriston, and Tanya Gore of the Publications Management Group of SRS provided copyediting, processing, and final composition for this report. Mathematica Policy Research, Inc. (MPR), under NSF contract number SRS-88-21853, prepared the tables from data collected, assembled, and tabulated by the Bureau of Labor Statistics (BLS), U.S. Department of Labor. MPR staff members who worked on this project were Kurt Greenstone, Ben Liu, Sharon Maccini, and Sue Willet. BLS staff who contributed to this project included Michael P. McElroy, Lawrence Jeff Johnson, and Bruce R. Montgomery.

CONTENTS

<i>Section</i>	<i>Page</i>
GENERAL NOTES	1
TECHNICAL NOTES	3
GENERAL	3
Scope of Survey	3
Method of Collection	4
Sampling Procedures	4
Response	5
Occupational Estimates	6
Variance Estimates	7
Reliability of Estimates	8
Quality Control Measures	10
LIST OF TABLES	11
DETAILED STATISTICAL TABLES	13
GETTING INFORMATION ON THE WORLD WIDE WEB	
ORDER FORM	

GENERAL NOTES

In this report, estimates are presented of the total number of positions filled by scientists, engineers, and technicians employed in trade and regulated industries in 1994. The estimates were developed from the Occupational Employment Statistics (OES) Survey, a Federal/state program under which national and state estimates are generated of employment by industry for nonfarm wage and salary workers. The Bureau of Labor Statistics (BLS) of the U.S. Department of Labor has primary responsibility for developing OES survey procedures and for providing states with technical guidance and assistance with survey problems. State Employment Security Agencies implement the survey at the state level and prepare current and projected employment statistics for these labor markets. Some states also prepare substate estimates.

The National Science Foundation has enhanced the BLS effort since 1977 by financing the collection of detailed estimates on the types of scientific and technical jobs filled by industry. Analysis of this information yields insight into the dynamics of the labor market.

Industries identified in the tables of this report are from the "Numerical List of Short Titles" in the *Standard Industrial Classification (SIC) Manual*, revised edition. The numbers of scientists, engineers, and technicians for a few industries at the 2-digit SIC level (tables A-2 and A-4) in this 1994 edition, as well as in the 1991 edition, differ from those in the prior (1988) report on trade and regulated industries, because the industries were recoded between the 1986 and 1989 surveys. Starting with the 1991 edition, greater noncomparability occurred at the 3-digit level of detail (tables A-1, A-3, A-4, and A-5) because of more extensive recoding. The numerous industry title changes did not affect the comparability of the 1991 and 1988 occupational estimates.

For the reasons outlined above, estimates in the tables of this 1994 report and the 1991 report should be compared with those for 1988 (and earlier years) only after consulting the 1987 SIC revisions to determine industry comparability.

Requests for previously published data and additional information should be directed to

Richard E. Morrison
Senior Economist
National Science Foundation
4201 Wilson Boulevard, Suite 965
Arlington, VA 22230

Tel: (703) 306-1780 ext. 6904
Fax: (703) 306-0510
Internet: rmorriso@nsf.gov